

**Moulded Case Circuit Breaker h3 x160 TM FIX 3P3D 80A 40kA FTC**

**Technical Features**

**Electric current**

|                                                                               |          |
|-------------------------------------------------------------------------------|----------|
| Rated current                                                                 | 80 A     |
| Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2 | 40 kA    |
| Rated ultimate short-circuit breaking capacity Icu under 240 V AC IEC 60947-2 | 85 kA    |
| Rated current 10°C according to IEC 60947                                     | 101.90 A |
| Rated current 15°C according to IEC 60947                                     | 99.40 A  |
| Rated current 20°C according to IEC 60947                                     | 96.90 A  |
| Rated current 25°C according to IEC 60947                                     | 94.30 A  |
| Rated current 30°C according to IEC 60947                                     | 91.60 A  |
| Rated current at 35°C according to IEC 60947                                  | 88.80 A  |
| Rated current at 40°C according to IEC 60947                                  | 86 A     |
| Rated current 45°C according to IEC 60947                                     | 83 A     |
| Rated current 50°C according to IEC 60947                                     | 80 A     |
| Rated current 55°C according to IEC 60947                                     | 76.80 A  |
| Rated current at 60°C according to IEC 60947                                  | 73.40 A  |
| Rated current 65°C according to IEC 60947                                     | 70 A     |
| Rated current 70°C according to IEC 60947                                     | 66.30 A  |

**Architecture**

|                           |                 |
|---------------------------|-----------------|
| Number of poles           | 3               |
| Control/operation element | Toggle          |
| Device construction type  | Fixed built-in  |
| Neutral position          | Without neutral |

**Tripping**

|                            |       |
|----------------------------|-------|
| Response time when opening | 10 ms |
|----------------------------|-------|

**Frequency**

|           |            |
|-----------|------------|
| Frequency | 50 - 60 Hz |
|-----------|------------|

**Voltage**

|                                      |        |
|--------------------------------------|--------|
| Rated impulse withstand voltage Uimp | 8000 V |
| Rated insulation voltage Ui          | 690 V  |

**Functions**

|           |        |
|-----------|--------|
| Trip unit | TM F/F |
|-----------|--------|

**Power**

|                           |         |
|---------------------------|---------|
| Total power loss under IN | 18.90 W |
|---------------------------|---------|

**Endurance**

|                                        |       |
|----------------------------------------|-------|
| Electric endurance in number of cycles | 10000 |
| Number of mechanical operations        | 20000 |

**Safety**

|                               |      |
|-------------------------------|------|
| Ingress Protection (IP) class | IP4X |
|-------------------------------|------|

**Connection**

|                                  |                        |
|----------------------------------|------------------------|
| Cross-section flexible conductor | 4 - 70 mm <sup>2</sup> |
| Cross-section rigid conductor    | 4 - 95 mm <sup>2</sup> |

**Installation, mounting**

|                               |          |
|-------------------------------|----------|
| Nominal tightening torque     | 4 - 4 Nm |
| Mounting-/Connection Position | Front    |

**Settings**

|                                                           |         |
|-----------------------------------------------------------|---------|
| Thermal protection knob setting xIN                       | 1       |
|                                                           | 1       |
| Adjustment range short-term delayed short-circuit release | 0 - 0 A |

|                                   |          |
|-----------------------------------|----------|
| <b>Compatibility</b>              |          |
| Suitable for DIN Rail             | No       |
| <b>Main electrical attributes</b> |          |
| Magnetic protection trip time     | 0 - 0 ms |
| <b>Sustainability</b>             |          |
| REACH-SVHC free                   | Yes      |
| RoHS conform                      | Yes      |